

The

Art of Memory

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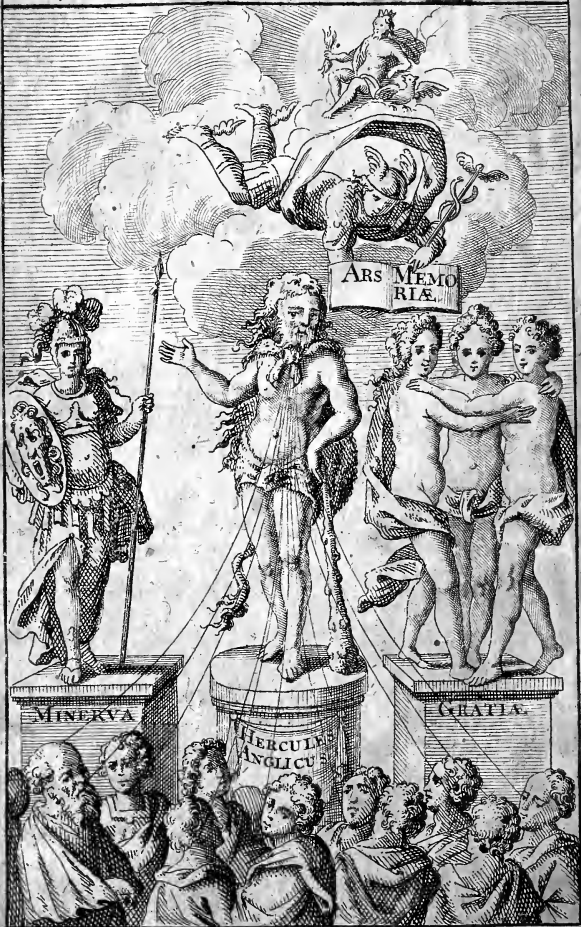
Josiah H. Benton
Fund





The Art of Memory.

Quicquid in Summo Oratore. requiritur; hic vides.



THE
ART
OF
MEMORY.

A TREATISE useful for all,
especially such as are to speak
in Public.

The Second Edition corrected and enlarged.

By *Marius D'Assigny*, B. D.

Omnis Disciplina Memoria constat, frustra que doce-
mur, si quicquid audimus præterfluat. *Quintil.*
lib. II.

Rerum omnium thesaurus Memoria est. *Cic. I. de*
Orat.

Constat Memoriam habere quiddam artificii, & non
omnem à natura proficisci. *Cic.*

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1699

To the Young Students of both Universities.

I Need not tell you, Gentlemen, how useful this Art is and may be to you, whatever Imployment you are to undertake in Church or State. As it is the most desirable Faculty for enriching your Minds with rare Sciences and Knowledges, and the gathering from your Stations those rich Jewels that will cause you one day to appear the greatest Ornaments of your Age and Nation; it is also the most excellent Ability for the improving of all your natural Perfections, and procuring to you a real Happiness in this Life, and an eternal Felicity in the next.

Seeing therefore so many and apparent Advantages depend upon your Memories, and the Improvement of them, pray be not wanting to your selves; neglect not this Gift of God, suffer it not to be idle and useless, but imploy it for the Purposes intended by the Donor's Wisdom and Bounty.

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If you have capacious and officious Memories, able to receive, contain and preserve much, keep them not as empty Bladders, puffed up with Wind and Fancy, but fill them, while you are at the Fountain, with the profitable Knowledg of God and Nature, of sound Learning, of true Wisdom, and of those liberal Arts and Sciences by which you design to be useful and do good in your Generation.

Let your Elevation be never so great, and your Birth never so considerable, Learning, Knowledg and Wisdom will add a greater Splendor and Glory to your Nobility, and procure to you a greater Veneration from those who are to be subject to your Commands and Authority. Picus Father and Son, Earls of Mirandula, tho Men of great Eminency in our late days, thought the exercise of their Memories in the studying of all manner of Sciences to be no Diminution to their Nobility, but rather a considerable Increase to their native Honor: for one of them published at Rome Theses de omnibus Scientiis, with a promise to defray the Charges of those Learned Men, if poor, who might have

have the pleasure to travel to oppose and dispute with him. And if you please to look into Antiquity, how many noble and famous Men, how many Kings and Princes have purchased to themselves everlasting Renown by the Exercise of their Memories, by their Industry, Studies and great Learning? Cato the Elder, at the Age of 80 Years, pleaded his own Cause when accused by his Adversaries of a Capital Crime; and it was observed, that neither his Memory fail'd him, nor his Countenance changed. Themistocles, that Noble Athenian, could call all his fellow Citizens by their proper Names; and when banish'd into Persia, he learnt in a few months the Persian Tongue, that he might be able to speak to K. Darius without an Interpreter. And in our late Ages K. Alphonsus, Averroes, and Avicenna, were noted for their Learning as well as their Nobility.

Memory is a rich and precious Jewel, if polish'd, used and improved; but if suffer'd to be idle, it is as a Pearl of great value in the hands of a slothful or ignorant Artist.

To this purpose Erasmus speaks very well: Ad nativæ Memorix vim natura felicem accedat intelligentia, cura, exercitatio & ordo. Ad memoriam confirmandam non nihil opis pollicentur medici: sed præter ea quæ diximus plurimum confert perpetua vitæ sobrietas; nam crapula & ebrietas ut ingenium hebetant, ita memoriam prorsus obrunt. Officit etiam curarum varietas, & turba negotiorum; officit & tumultuaria diversorum Voluminum lectio. And again he saith, Optima memoriæ Ars est & penitus intelligere, intellecta in ordinem redigere, postremo subinde repetere quod meminisse velis. Certainly such have a great advantage who are gifted with a large Memory; but it can yield neither them nor others any benefit, unless they imploy this Gift for the Purposes design'd by God in the Donation. And let it be never so strong and large by Nature, it may be improved and increased by Art, and their Industry, to the completing of their Felicity both temporal and Eternal.

But if Nature seems to deny some of you this Advantage, and you are not so ready and perfect as others in the use of this excellent Ability, you are not therefore to slight the least Gifts of God in your Creation, but still to endeavor the Improvement and Increase of them. Let your Labor and Industry strive to supply the Deficiencies of Nature, and polish this Gift, this precious Jewel, by a continual Exercise: Demosthenes, the Prince of the Greek Orators, had such natural Imperfections, as made him unfit to speak in Public; yet by his resolute and virtuous Endeavors he attain'd to the highest pitch of Perfection and Glory in Oratory. Art may procure to us divers Excellencies which Nature seems to keep from us; and the Divine Bounty grants many times to our assiduous Labors what was refused to our Birth at first. The sparing Hand of Nature in bestowing this Ability should rather provoke our Resolution to get it by other means, than cause us to slacken, or discourage our Endeavors; for according to the old Greek Proverb, τὸ δύσκολον καλὰ, the greater Difficulty in the Attempt, the greater

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greater will be the Glory and Satisfaction in overcoming it : for of all the Perfections of the Mind there is none more capable of a greater Improvement than Memory, and none will reward our Labors with more satisfactory Returns than this excellent Ability when we can attain to any perfection. Pray consider therefore, you who are like to want the use of this rare Faculty in the following course of your Lives, and in the Employments you design to ingage your selves in, how much it concerns you now to polish and increase your Memories, and exercise them frequently : for as a Roman Author observes, Memoria minuitur nisi exerceas eam. Tho the Labor may be great at first because of your natural Imperfections, the Difficulty is to be overcome by Art ; and what is wanting to you in Nature, the other will supply in time. Pray weigh and consider these seasonable Verses applicable to my Purpose.

Quisquis

Quisquis desidiam, luxumq; sequetur
inertem,
Dum fugit oppositos incauta mente
labores,
Turpis inopsq; simul miserabile transi-
get ævum.

The Advantages that the Exercise of Memory will procure to you are innumerable ; to you, Gentlemen, chiefly, who design to instruct the Nation from the Pulpit : for besides the Honor, Glory, and Esteem you will thereby obtain from your Congregations by this way of Delivery ; besides the greater Efficacy and Power that your Words and Preaching will have on the Minds of your Auditors ; besides the promoting of the Glory of God, and perhaps the persuading of a greater number thereby to forsake the broad Road of eternal Perdition, I must needs tell you, you will quickly find an unspeakable Benefit in a few years ; and your great Pains at first in conquering your natural Weaknesses will be fully recompensed with a greater Ease, Pleasure and Delight in the publishing

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publishing of your Meditations. You will find that this way of Delivery will smooth and polish your Conceptions and Fancy: You will find it will unty your Tongues, and make you more ready to express your selves: you will find your Labors to be the less, your Preaching more acceptable, your Improvements greater, your Learning more sound, and your selves able on a sudden to answer all Gainsayers; for by this means the Body of Divinity will become as familiar to you as your Pater Noster. Antisthenes, the Athenian Philosopher, when a Friend complain'd he had lost his Book where he had recorded weighty Matters, told him that he ought not to have trusted things of so great Importance to Pen, Ink and Paper, but to his Memory, where he should always have found 'em ready in time of need.

There is one Advantage more we shall receive by the exercise of our Memories. How considerable it may be to us, and what Influence it may have to increase and enlarge our eternal Happiness, we may at a distance guess: for thereby the Soul will be enabled to increase its Abilities, Faculties.

ties and Graces, which have a natural Dependence on this of Memory, and that also will be inabled to retain more ; because there is a strict Union and Communication of all the Perfections between the Soul and the Body, so that if one of them receives an Inlargement, it conveys the same benefit to the other, and the other becomes more perfect and accomplished in that Ability which its Partner injoys. The Exercise therefore of Memory will not only inable the Organ now to perform more perfect Acts, and inlarge the Ability while the Soul is in conjunction with the Body ; but at its separation, and at the great Morn of the Resurrection, this Perfection with all the rest, being as immortal as the Spirit where it is fixt, and to which it is conveyed, by our constant Indeavors and correspondence with the Body, will then appear more compleat and greater, for the better reception of future Glory and Bliss, and to our everlasting Comfort and Satisfaction : Therefore as St. Bernard very well expresses himself, *Ad æternitatis Gloriam acquirendam nullus labor durus, nullum*

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nullum tempus longum videri debet.
In Doct.

I would not have those Learned Gentlemen of my Function be displeased with this Exhortation and Advice to the Students of our Universities, as if designed to undervalue their wise and profitable Meditations, pronounced with the assistance of Book from the Pulpit. Our Nation is used to this way of Delivery; for we are wont, as we ought, to weigh the matter, more than the manner of the Publication. Nor can they after a long Usage change their Custom of Preaching. But for the Young Men coming up to supply our Places in Church and State, 'tis now in their power to alter this Custom, to exercise their Memories, and imitate the Learned Men of other Nations: 'Tis now in their power to use themselves to such a Practice as may be to the Glory of God, the Salvation of Souls, the Credit of our Church, and infinitely beneficial to themselves.

I recommend therefore this Treatise principally to you, Gentlemen; and let nothing hinder you from the exercise of your Memories, and the practice of the Rules
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here prescribed, which I assure you from Experience have proved effectual to overcome the Weaknesses of Nature, and in-able frail Memories to perform the Acts of large and strong ones. If some of them seem common, despise them not, they will be no less useful if put in practice. I have not only consulted my own Knowledg and Experience, but also set down the Advices of several Learned Men about this Subject, and borrowed from able Physicians several approved Experiments for strengthening the Memory.

However, I intreat you to accept kindly of this Indeaavor for your Benefit and the Public, and this sincere Expression of my earnest desire of your Success and Advantage, and of the Prosperity of our Church and Nation.

I beseech God of his Infinit Bounty to make you all useful in your Generation, to inlarge your Memories, increase your Learning, bless your Abilities and Graces, and preserve you to his Eternal Kingdom. Amen.

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The Art of Memory.

C H A P. I.

Of the Soul or Spirit of Man.

THE Excellent and Wonderful Frame of the Human Body, wherein the Wisdom of the Creator shines so beautifully and apparently before our Eyes, being but the Cabinet of the Soul, or the outward Shell, made on purpose to receive and entertain this immortal Creature, gives good reason to imagin that this Jewel is far more excellent and of greater Worth. Certainly our Wise Maker had no mean Esteem of this Masterpiece of the Creation, seeing he has caus'd all visible Beings to be design'd for the Good, Assistance, Pleasure, Recreation, Happiness, and Glory of Man. Therefore at the first forming of *Adam*, the Sacred Trinity proceed with Deliberation, and act together with an extraordinary Care and Consultation ; *Let Us make Man after our own Image.* Man bears both

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in Body and Soul a lively Resemblance of the Unity and Trinity, and the Relation that Almighty God has to this great World. For as this universal Spirit gives Life and Motion to every Member and Part, and supports the whole Fabric by an over-ruling Providence, and comprehensive Spirit; thus the Soul is the first and only Principle that actuats, governs, and moves the Microcosm, the Body, and every Sense and Member, being in the whole, and in-tire in every Part. In the Godhead there is a Unity that admits of no Division, an Omnipotent Spirit, not subject to the Infirmities of Separation or Partition. And is not the Soul or Spirit of a Man in this Excellency, the Representation of his Heavenly Maker? It is a Unity not to be divided nor cut in parts; it discovers it self in the whole Body, and by its Operations in every Member produces differing Acts according to the Diversity of the Organs. In the Godhead we are inform'd by the Sacred Penmen, that there is a Trinity of Persons, the Father, the Son, and the Holy Ghost: Likewise in the Soul of Man we find three remarkable and distinct Faculties, the Understanding, the Will, and the Memory; which tho they be three Abilities or Powers, are but one Soul or Spirit. Of this Resemblance between God

and the Soul, *Seneca* seems to be sensible, when he inquires, Epist. 32. *Quid aliud voces Animum, nisi Deum in humano corpore hospitem?* And *S. Austin* in his Treatise of the Trinity, expressly confirms the Truth of this great Mystery by this Parallel with the Soul of Man. Man therefore being the living Image of his Creator, participats in some measure of the Excellency of that Eternal Being; who in all his Proceedings in relation to this Creature, expresses a high Esteem of him, and of his Immortal Spirit. For him he seems to have rais'd, beautifi'd and adorn'd this great Fabric of the World, putting all things in subjection under his Feet, and made him as it were a visible God, to govern, dispose of, and command all the Creatures that inhabit the four Elements. For him he has kindled so many glorious Lights in the Firmament above, sending down from thence the continual Expressions of his Kindness and Goodness to Man. For him the World is maintain'd, and the Omnipotent Hand of Divine Providence supports and continues all things intire, for the completion of that appointed Number of Mankind design'd for Happiness, from the beginning, by the Divine Wisdom.

And since Man has wilfully forsaken his Maker, and join'd himself in Rebellion with the Apostat Spirits, God's Mercy

has not totally rejected him, nor debarr'd him from a Return ; but on the contrary he invites him back to himself, with the greatest and most indearing Expressions of Love, Kindness and Esteem. The Divine Mercy values the Souls of Men at so high a rate, that it has given an infinite Price to redeem them ; and imployes the Agency of an Omnipotent Spirit to sanctify and prepare them for the noble Purposes for which they are design'd. If the Souls of Men had not bin full of Excellency, and of a great Value, would the Eternal Wisdom suffer the Son of God to forsake his Glory, and stoop so low to fetch them out of the Depths of Everlasting Misery ? Would he have join'd himself to this Being, and took upon him our Human Nature ? Would he have thought no Pains nor Suffering too great to purchase them to himself ? Would he have open'd for them the Treasuries of Immortality to enrich them, and commission'd his Holy Spirit to polish and purify them from the Remains of Corruption ? Would the Glories of the Heavenly Mansions be preparing to receive these Souls, and the Blessed Spirits Above attend to conduct us in our Passage thither, were there nothing in us worthy of so great Love, Care, Expence and Labor ? It plainly appears therefore, by the actings of Divine

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Wisdom.

Wisdom, and the proceedings of the Spiritual Beings, who in reason ought to be well acquainted with the real value of the Spirit of Man, that it is of a Divine Excellency, and far more worth than the whole World; seeing they have no such regard for any created Being besides, as for this visible Governor of the Universe.

If therefore man's Soul is a Jewel of such extraordinary Worth; if God and the Superior Beings have so great an esteem for it; certainly Man should have no less for this better part of himself. However, it is a Madness to prostitute the Interest of the noblest Part to the Lusts, Follies, and Corruption of the vilest; and prefer the deceitful, momentary, and counterfeit Satisfaction of the Body to the real and everlasting Advantages of the Soul: A Weakness not excusable in a Rational Being.

And if the Abuse of so Divine a Part of our selves be Criminal, the Neglect is Hainous. Remember, O Man! that this Rich and Spiritual Jewel is by thy Creator's Wisdom committed to thy Care, and recommended to thy Endeavors to be polish'd and fitted for the adorning the heavenly Sanctuary above. As there are divers Imperfections belonging to it in the present State, that render it incapable of so high an Advancement, and which must of necessity be first remov'd

by our Religious Practices; so there are several Ornaments, Excellencies, and Improvements requisite before it can expect so great an Honor. It is not possible to leap from our vile and mean Condition of Sin and Corruption, to the enjoyment of the Presence of a Holy God, without a due Preparation, or in a moment of Time. We are to draw near by degrees, and labor to attain to those Indowments of the Mind that may predispose and recommend our Souls for the Heavenly State.

There is nothing created in a condition of absolute Perfection, but in a possibility to be advanc'd higher, to be increas'd, enlarg'd, and enrich'd with greater Perfections. Chiefly the Intelligent Beings, who having Abilities and Faculties granted to them for that very purpose by our wise Creator, are certainly oblig'd, for the answering this end of their Creation, to study the Improvement of their Natures, and labor in this Life to draw nearer to Perfection; which tho it be not attainable till we are admitted to the Vision of our God, yet it is both our Duty and Interest to approach as near as we can to that Blessed State, and prepare the Abilities of our Souls for that Glorious End.

And tho all Gifts, Graces and Improvements of our Nature procede from God,

as the Apostle affirms, that is, from the Assistance of his Holy Spirit and Divine Bounty, from the Concurrence of his overruling Providence and apparent Benediction, from the secret Actings of his Grace and Wisdom, that influence our Wills and Endeavors; yet we are not to be sluggish and idle. But as we come into the World with active Abilities, we are in all reason oblig'd to imploy them, and make them instrumental in procuring our own Good. Nay, we are to seek and endeavor this Improvement, and not wholly to depend on the favorable Will and Blessings of our Maker.

But of all Improvements those of the spiritual part of Man are chiefly to be minded, because our present and future Happiness will therupon depend, because such Improvements are not subject to the Casualties of the Body, nor cannot easily be taken from us by Violence or Death; but as this excellent Being is Immortal, all the Ornaments and Perfections acquir'd to it do accompany it into another State, and are not changeable without our Wills and contrary Endeavors. How soon are the Excellencies of the Body destroy'd, and the Gifts of God and Nature humbled in the Dust, together with all our Labors to imbellish and adorn this outward part of our Selves,

made the sport and food of the vilest Worms? But the precious Souls of Men, with the Graces and Virtues that enrich them, are not so quickly spoiled; they are to continue with that Heavenly Substance, and to abide with it for ever. Death, the great destroyer of God's Works, can't separat those Perfections from the Souls, with which God's Blessings and our Indeavors have enrich'd them.

For this Noble Part as well as the Body is capable of great Improvement. The latter grows and increases by degrees, in the use of the ordinary Methods appointed by God in Nature. Thus the Soul with every Faculty is to be enlarg'd, increas'd, and advanc'd to Perfection, by the means prescrib'd to us by the Divine Wisdom. The Understanding is to be enrich'd with an increase of Prudence, Wisdom and Knowledge; the Will of Man with the Habits of Moral and Christian Virtues. Thus ought the other Faculty of the Soul, call'd the Memory, to be enlarg'd, increas'd and imbellish'd. To this purpose S. Bernard has an excellent Saying, *Dilatari oportet animam, ut fiat habitatio Dei.* Sup. Cant. Serm. 28. For that intent our Wise Creator has appointed in his Church the use of his Word and Ordinances, has order'd his inspir'd Prophets and Apostles to deliver
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to us the Sacred Mysteries of our Religion, and the most Heavenly Directions that we may grow in Grace, and in the Knowledge of our Lord and Savior Jesus Christ, 2 Pet. 3. 18. And for the same purpose our good God has open'd to us the Books of Nature and Providence, that we might continually read, study and understand the Secrets of his Divine Wisdom, and draw nearer to the Perfections of the Mind; to which we shall never attain till admitted to the Vision of God.

Now this precious Jewel is by the Philosophers defin'd, *Forma substantialis corporis viventis, per quam vivimus, sentimus, nutrimur, intelligimus, & loco movemur*; The substantial Form of our living Body, by which we live, are sensible, nourish'd, understand, and move from place to place. Aristotle tells us, it is *ἐντελέχεια* of the living organized Body. 'Tis altogether Spiritual, and procedes from the immediat Agency of our wise God, the Creator and Preserver of all things, who at the time of the conception and formation of the Body, when the Parts and Organs are duly prepar'd, and fitted to receive this Heavenly Guest, creates it without any Concurrence or Assistance of the Parents. Witness the Words of the Ecclesiastes, chap. 12. 7. That at the Dissolution, the Spirit shall return to God who gave it. And

And it is observable in this Excellent and Spiritual Being, here are divers Faculties, which are either natural, vital, or animal, by which the Soul in conjunction with the Body produces divers Functions and Actions of Life. The Natural Faculty is that Power of the Soul by which the Body, assisted by the natural Heat and Food, is nourish'd, grows, and produces acts of Generation. The vital Faculty is that by which the Vital Spirits are ingender'd in the Heart, and Life is preserv'd in the whole Body. The Animal Faculty is likewise that Power of the Soul by which a Man is sensible, moves, and performs the principal Functions, which are Imagination, Reason and Memory; which indeed are the chief Functions of the reasonable Soul.

We must here take notice of a considerable difference between *ψυχή anima*, and *πνεῦμα spiritus*. Indeed the Divine Oracles make use of both Words to express the same Spiritual Being; as in *Mat. 10. 28.* μή φοβηθῆτε ἀπὸ τῶν ἀποκτείνοντων τὸ σῶμα, τὴν δὲ ψυχὴν μὴ δύναμενον ἀποκτεῖναι· φοβήθητε δὲ τὸ μᾶλλον ἢ δυνάμενον ἢ ψυχὴν ἢ σῶμα ἀπολέσαι ἐν γένει. *Fear not them which kill the Body, but are not able to kill the Soul: but rather fear him which is able to destroy both Soul and Body in Hell.* This same Soul is nam'd the Spirit, in the last Prayer of the Proto-

Proto-Martyr, *Acts* 7. 59. *Κύριε Ἰησοῦ, δε-
ξαι τὸ πνεῦμά μου.* Lord Jesus, receive my
Spirit. Therefore the Soul and the Spirit,
in Scripture-Language, signify that same
Spiritual Being which inlivens, moves, and
governs this dull Mass of the Body, which
cannot be destroy'd by the Malice of Men,
but at the Separation is receiv'd into Bliss,
or cast into Misery, by our Savior, and
the Holy Angels his ministring Spirits. Yet
if we examin some other Passages of Holy
Writ, we shall meet with a Distinction
not Essential but Accidental. In *1 Thess.*
5. 23. St. Paul desires that their whole Spi-
rit, and Soul, and Body be preserv'd blameless
to the Appearance of our Lord Jesus Christ.
And the Author to the *Hebrews*, Chap. 4.
v. 12. declares, That the Word of God is shar-
per than any two-edged Sword, piercing even to
the dividing asunder of Soul and Spirit.

Interpreters differ something in the Ex-
position of these two Passages. Mr. Cal-
vin understands by the Soul the Will and
its Affections, and by the Spirit the Un-
derstanding, and all its Gifts: which Inter-
pretation seems to be weak, and not an-
swering the Scope of the Words. Others,
and among the Antient Fathers not a few,
tell us, by the Soul is meant the Sensual
and Animal Part of Man, and by the Spi-
rit the more refin'd and more sublime Part,
the

the Intellect and its Perfections. This Interpretation, in my Judgment, draws nearest to the meaning of the Apostle: but we must take heed of a gross Error, contrary to all Reason and Philosophy, of some of them who make Man to be compos'd of three Parts, Body, Soul, and Spirit, and multiply Beings without necessity. The Spirit given by God to inliven, move, and govern this Body, is but one, and has all the Abilities granted to it which they ascribe to two distinct Substances; it has the Power to govern the Senses as it is united to the Body; and as it withdraws it self from the Senses, it performs all Spiritual Operations. Therefore this Gloss which is design'd by them to solve the difficult Question about the Descent of Christ into Hell, in my opinion is not Orthodox, nor agreeing with the Principles of Reason and Nature.

So that in these two Passages τὸ πνεῦμα and ψυχή differ in some respect, but it is only in the Original Signification of the Words, and in the Relation the Spirit of Man has to the Body, and the Animal Faculties and Operations. As it is a Spiritual Being separat from the Body, and enjoys a Subsistence independent from this outward Tabernacle, it is nam'd τὸ πνεῦμα, the Spirit of Man, created by the immediat Hand
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of God at that moment that it is put to inform and inliven the organiz'd Body, which takes its immediat Beginning from other Principles. This Spirit at the dissolution of the Body is immortal, and returns to God that made it, and cannot be destroy'd by Death. It enters into another State, and has the freedom of its Faculties and Operations, as the Holy Angels above. It is deliver'd from the Pains and Slavery of the Body, and from its concernment with this vile Part of Man. It enters into a new Acquaintance, and into a Conversation with Beings answerable to it self. In this blessed State, stit'd in Holy Writ, *The Joy of our Lord, The Paradise of God, Fulness of Joy, God's Presence, &c.* the Soul or Spirit retains all its Perfections, Graces and Abilities; and being deliver'd or let loose from the Body that clogs it, from the Members and Organs decay'd by Sickness or old Age, it arrives to a more excellent Activity than it was formerly capable of, when confin'd to the limits and bondage of the Senses. It is not so much straitned in its Operations as when it was One in Society with the weak and infirm Body; but every Faculty has the greater liberty to manifest that Improvement that has bin made in them by our former Diligence, Industry and Labors.

But

But while this Spirit continues in conjunction with the Body, and operates by the Senses and Organs, it is properly nam'd *Νῦν*, *Anima*, or the Soul, and in the Hebrew Tongue *נֶפֶשׁ* a word deriv'd from the Verb *נָפַח* he breath'd, because its present Being and Subsistence relates to the Animal Functions maintain'd and continu'd by our constant breathing. But tho' most part of the Actions of this Spiritual Being are produc'd in and by the Organs of the Body, there are at present many Operations of the Soul that have no relation to the Senses, especially in such as are sanctifi'd by the Spirit of God, and design'd for a better and higher State: Therefore in the former Passage to the *Thessalonians*, *S. Paul* prays that God would sanctify their Spirits from the Corruption convey'd to them by the vicious Inclinations of the Body, and that this immortal Part might be preserv'd pure and undefiled from all Sin and Infection: That the Soul likewise, that is, the same Spirit as it works and acts by the Animal Senses of the Body, and in conjunction with this outward Part, might be also free from Sin and Pollution: And that the Body also with all its Members might be sanctifi'd, and preserv'd blameless to the Appearance of Christ. Likewise the Author to the *Hebrews* tells us, That the Word

of God is so sharp as to divide between the Spirit and the Soul ; that is, it is so exact in its Commands and Injunctions in relation to Piety and Holiness, as to lay an Obligation to be circumspect upon the Spiritual Being of Man in the Actions that are produced in conjunction with the Body, and in the Operations that are separat from the Senses ; and that it censures both the Spiritual and the Sensitive Part of Man.

But by this near Conjunction of the Soul and Body, it happens that the Habits of the former are more or less perfect, and the Actions more or less excellent according to the good or vicious Disposition of the latter. So that an Impediment or a Weakness in the Organ, may hinder the Soul from acting. But such Impediments, if they procede not from a natural Deficiency in the principal Part, may in some cases be removed by an assidual Labor, a resolute Industry, a long Usage, and the Blessing of the God of Nature. As in the Example of a famous Orator, who wore away the stammering of his Tongue with Peble Stones, and attain'd to a Facility of Speech and Memory by speaking often to the roaring Waves of the Sea.

Indeed we are the more indebted to our wise Maker, when he gives an excellent Soul in a well-dispos'd and well-organiz'd Body,

Body, and the Temper of the one assists the Operations of the other.

C H A P. II.

Of Memory, its Seat, and Excellency.

ST. *Austin* names Memory the Soul's Belly or Storehouse, or the Receptacle of the Mind, because it is appointed to receive and lay up as in a Treasury, those things that may be for our Benefit and Advantage. Divers Names and Descriptions are given to it, but all may be reduced to this one Definition, *That it is that Faculty of the Soul, appointed by our wise Creator to receive, retain and preserve the several Ideas convey'd into it by the Inlets of the Understanding, whether intellectual or sensitive.*

Two Virtues belong to it, readily to receive, and long to retain whatsoever is committed to its custody by the Understanding: For Perfection of Memory consists in these two Qualities, quickly to receive the Impressions or Images of Things, and to keep them long from Oblivion, that the Intellect might there find them to imploy them for such Uses as Reason may require.

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There are likewise three differing Acts of this Faculty, tho some reckon but two; 1st, That which we properly call Memory, which is a Retention of the Ideas of things admitted into the Soul. 2^{ly}, *Recordatio*, Remembrance, or a calling to mind, or refreshing those Ideas that are there closeted up. 3^{dly}, *Reminiscentia*, which is a Recovery of the same Ideas which were formerly lost, or a renewing of those Impressions in the Memory that were blotted out, or defac'd by Forgetfulness. The first may be found in some measure in the Brutes, and other Animals, who have a kind of local Retention of the Objects that are either grateful or hurtful to their Natures; so that the presence of those things cause them either to fly from, or to run to them, having had a former sense of their good or evil Qualities. This Animal Memory differs in this from that of Man, in that it requires the presence of the Objects to mind the dumb Creatures of their past Experience; but the Soul of Man having more perfect and excellent Assistances, needs not the Representation of Things to remember the former Passages; neither is his Memory so narrow, so weak and infirm, as that of the Brutes. But the two latter Acts of Memory are not to be found in them, because they depend on the reasoning

of the Understanding, and cannot be produc'd without that Ability, which we admit not in other Animals.

And tho these two Acts, which some reckon to be but one, are produc'd by the same Faculty as the Acts of Memory, yet they differ in this, that the Memory may be without the use of reasoning, but the others require the assistance of the Rational Faculty to recover the lost Ideas, by the help of certain Circumstances that remain yet in our mind. Besides, it's very common that some who are excellent for Memory, may be the more apt to be guilty of Forgetfulness, and to let slip out of their thoughts many weighty Matters. Again, Memory precedes Remembrance in relation to Time, for we can't call to mind things that we never had in our Memory before. And I judg there is this difference between *Recordatio* and *Reminiscentia*, that the first is a plain remembrance of things remaining yet in the Memory, but not thought upon before, by reason of the multiplicity and crowd of other Ideas; whereas *Reminiscentia* is a recovery of the lost Ideas which were blotted out of the Memory, and again refresh'd and renew'd by the help of some known Circumstances and Passages, that lead us to the minding again of those things we had forgotten: however we

we must acknowledg between them the difference of *magis & minus*. Now there are four natural Motions observable in Memory; First, the Motion of the Spirits, which convey the Species or Ideas from the thinking Faculty to that of Memory. Secondly, the Formation or Reception of those Ideas, and the fixing or imprinting them into the Fancy. Thirdly, a returning back of those Spirits from the memorative Faculty to the rational. Fourthly, That Action by which the thinking Faculty reviews what is treasur'd up in Memory, which indeed is the very Act of Memory. Therefore some have defin'd Memory, *Apprehensio in Anima existentium specierum cum indagazione & inquisitione*; An Apprehension in the Mind of those Ideas that are in the Soul, accompanied by a Search and Inquisition.

We must here make one Observation more; That as the *Peripatetics* commonly distinguish three distinct things in every Faculty, so we must note the same in that of Memory. First, there is the Faculty, Power or Ability of Memory, which we fancy to reside in the Soul as in its proper Subject, and to produce Acts by that Organ appointed by our wise Maker, namely the *Cerebellum*. Secondly, to this Ability or Faculty belongs the Habit of Memory, which is acquir'd by repeated Acts; for there may

be a Faculty in the Soul, which thro neglect or otherwise may be useless ; and it often happens that the Faculty is perfected by a constant and continual Practice and Habit, whereas Slothfulness decays and ruins the most excellent Ability. The third thing observable in Memory, is the several Acts produc'd by the Faculty, which at last make up a Habit. We shall find this Distinction to be of some use in the following Chapters.

Now the Seat of Memory is generally acknowledged to be in the hinder part of the Head, which we call *Occiput*, In the third Closet named *Ventriculus, Puppis, or Cerebellum*. For as all the Naturalists are of opinion, that in the Brain there are three Operations of the Soul, the Imagination, Reason, and Memory ; they have from the direction of Experience, assign'd to the two first the two greater Closets of the Brain, and to the latter the less and hindermost. For I need not busy my self to prove that all the Functions of Life have their particular Organs ; and the Soul acting little or nothing without the concurrence and assistance of the Body, our wise Creator has appointed the several distinct parts where the Spirit is to move and act, to produce the differing Actions of Life ; according to that old and approved saying of the Physicians,

*Cor sapit, & pulmo loquitur, fel suscitatur iras,
Splen ridere facit, cogit amare jecur.*

The Heart is the Seat of Wisdom, the Lights are employ'd in Speaking, the Gall moves us to Anger, the Spleen inclines to Laughter, and the Liver to an amorous Temper. Thus in this Closet of Memory the Soul treasures up the Ideas of things, making use of a clear and subtil Spirit, ascending from the Heart, to form the Impressions, which contain either a longer or shorter space, answerable to the Temperature of the Body, and the largeness of this Closet. For they have observ'd that such have a capacious Memory whose hinder part of the Head is larger than ordinary; but when that part is otherwise, plain, and narrow, such persons are seldom gifted with a rich and an officious Memory. It is most certain that the good or evil Disposition of the hindermost part of the Head contributes much either to the largeness or shallowness of Memory. For when that part of the Brain is sound, and the Passage open and wide, by which the Spirits ascend up to it with ease, and without any obstruction, such men are quick of Apprehension, and their Memory is the more happy, and the more susceptible of the Ideas. But if the way

be obstructed that conveys up the Spirits, or if there be any natural or casual Defect in that part, they will quickly find it by the decay of Memory. Some having receiv'd a considerable Blow on that side of the Head, as a *Greek* Author relates, forgot all their nearest Relations. And it is reported of *Messala Corvinus* the Orator, that by an accident he became so stupified as to forget his own Name. The Casualties therefore that may happen to this excellent Faculty, by the prejudices to which this part of the Brain is subject, should awaken our care and diligence to preserve and defend it.

But as the Parts of the Body, and the Soundness and Perfection of the Brain, are great helps to a good Memory; they have caus'd the Naturalists to divide Memory into *Natural* and *Artificial*. The *Natural* is when the Person has this great advantage from his Natural Parts, without any help from his own Industry; and when his wise Maker has bestow'd upon him all the inward Qualifications needful for a large and happy Memory. The *Artificial* is that which is acquir'd by our Care, Study, Invention and Labor. For it is the Opinion of *Cicero*, That the goodness of our Memory procedes not always from our Natural Perfections, but sometimes from the Contrivance

vance and Art of Man. And our Experience can verify the same, that Memory is capable of increase and decrease; and that the Art of Man may add much, and accomplish this excellent Ability. However, if we offer to neglect, and suffer this rare Faculty to be unpolish'd, and cover'd over as it were with the Rubbish of Idleness and Debauchery, when God and Nature have bin bountiful to us in this respect, we cannot expect to use it with that advantage, as others who have labor'd to increase their Maker's Gifts by their Study and Industry. Of some it has bin reported, that they had prodigious Memories. *Mithridates*, that famous Enemy of the *Roman* State, was once a King of two and twenty Kingdoms, where so many differing Languages were spoken; which he understood so well, that he could speak every one of them, and to all his Subjects, without an Interpreter. The Great *Cyrus* had so large a Memory, that he could call every Soldier of his numerous Army by his proper Name. Likewise *Seneca* tells us of himself, that he could repeat 2000 distinct Names that had no dependence. And in late days, Cardinal *du Perron* was able to repeat, without missing a word, two hundred Verses which were spoken before *Henry* the Fourth by a famous

Poet, tho he never heard nor saw them before. Likewise in our Age and Nation, some carry with them whole Libraries in their Memory : Which in reason cannot be expected, unless Men endeavor to improve this rare Gift of God by a continued Exercise. I need not inlarge upon the Usefulness and Excellency of Memory, to incline men to use the Means to attain it. All other Abilities of the Mind borrow from hence their Beauty, Ornaments and Perfections, as from a common Treasury : And the other Capacities and Faculties of the Soul are useless without this. For to what purpose is Knowledg and Understanding, if we want Memory to preserve and use it ? What signify all other spiritual Gifts, if they are lost as soon as they are obtain'd ? It is Memory alone that enriches the Mind, that preserves what Labor and Industry collect, which supply this noble and heavenly Being with those Divine Excellences, wherby it is prepar'd for a glorious Immortality. In a word, there can be neither Knowledg, nor Arts and Sciences without Memory : Nor can there be any improvement of Mankind, either in respect of their present Welfare, or future Happiness, without the assistance and influence of this supernatural Ability. Memory is
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the Mother of Wisdom, the common Nurse of Knowledge and Virtue, as the Poet very well has express'd it :

*Sophiam me vocant Græci, vos Sapientiam,
Usus me genuit, mater peperit memoria.*

But as these Lines are design'd for the benefit and encouragement of their Memories chiefly who are to appear in the Pulpit, or at the Bar, to speak in the Audience of the People ; I need not tell them with *St. Austin, Memoria in primis Oratori necessaria*, That there is no Ability more useful to an Orator than Memory : For it gives Life to what is spoken, and makes a deeper impression in the Minds of men ; it awakens the dullest Spirits, and causes them to receive a Discourse more kindly than otherwise ; it adds a Grace, and an extraordinary Excellency both to the Person and his Oration, and is the greatest Ornament of that part of Rhetoric that we commonly name *Pronunciatio*. So that if there is any thing worthy to be esteem'd or valued in that Art, so useful in a Commonwealth, 'tis all borrow'd from Memory alone ; which gives the greatest weight and efficacy to the Words that are spoken. It is reported of *Æschines*, that when he came to *Rhodes*, he read to the Inhabitants a famous Oration

Oration of *Demosthenes*, which they very much admir'd, tho pronounc'd without the Grace of an Orator: But said he to them, *Quid si ipsum audissetis?* How much more would you admire and esteem this Oration, if you had heard it from his own mouth? But our daily Experience can declare more of the Excellency of this rare Ability.

I shall therefore procede to examin what Temper is most agreeable with a good Memory.

C H A P. III.

The Temper or Disposition of the Body best and worst for Memory, with the Natural Causes and Reasons of both.

Memory is nam'd, or rather describ'd by *Plato*, that great and famous Philosopher of his Age, *The Soundness of the Senses*; because the Soul making use of the Senses of the Body to receive the impressions of things, the Memory is either larger or narrower, greater or less, according to the good or ill Qualities of the Senses; and the Ideas are more or less lasting in Man. However, 'tis most certain that

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in general it is requisite for a good Memory, that the Body be in perfect health; for if either the whole be distemper'd, or any part be diseas'd, the Sufferings are communicated to every Member, and all are sensible in some respect of the Pain with the disaffected Part; and the Disease, whatever it be, disorders the Functions more or less, according to the nearness of Communication. Some Diseases have that evil influence that they totally deprive us of our Memory for a time, as those that seize upon the Head and Brain, and such as distemper the Nerves and Veins that are uppermost, and corrupt the Blood and Spirits which are used for the exercise of Memory. Besides, when any part of the Body is diseased, the Mind is distracted, and cannot so readily perform that Office, as when it enjoys a perfect Tranquillity free from the avocations of Maladies and Pain. Likewise, if the Spirit be disturb'd by the violent Passions of Anger, Fear, Despair, &c. the exercise of Memory can never be so free, because it requires a sedate and quiet Temper of Mind as well as a Soundness in the Body. All the Alarms and Troubles of the Soul blot out the Ideas that are already entertain'd, and hinder others from coming in. They obstruct all the Passages; and the Crowd of thoughts that in
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such cases arise is a great hindrance to Memory.

But the Learned observe, that two Tempers of the Body or Brain are enemies to a good Memory; and that such can never expect any great advantage from this Ability which in those cases is naturally disabled. The first is a Temper extraordinary Cold, for thereby the necessary Motions are stopt, and the Passages for speedy conveyance frozen, and the Imagination as it were benum'd. So that as a convenient Heat of the Body is a notable help to an active Memory, a cold Temper can never be so quick in apprehension, nor receive the Impressions that are offer'd. Therefore a noted Physician names Cold, *The Mother of Forgetfulness*; and declares that there can be nothing more pernicious to Memory, either to the admittance of the Ideas, or to the making use of them, than an inward or a too violent and ambient Cold.

The second Temper unfit for Memory is moist, when a too great Humidity seizes upon the Brain, as in Drunkenness, Intemperance, and Defluxions. Memory in such a case may quickly receive an Impression, but it will as speedily lose it. As a Ship at Sea running swiftly thro the Waves, leaves behind a Track, which is almost
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as soon lost as made, so that no sign can be found of its Passage thro that fluid Element: So the Moisture of the Brain may be susceptible of an Idea for the present, but 'tis not lasting, nor is there any sign a little after of any such matter. Those persons may remember the things near at hand, but they seldom call to mind that which has bin long ago don.

I might add a third Temper very much unfit for Memory, that is, an extraordinary dry Brain, or a corrupt Disposition of Body, proceeding from too much Heat and Driness: for tho these two Qualities are necessary assistants of a good Memory, both for Reception and Retention, yet when they excede the prescript and proportion of Nature, they must needs be offensive to Health, and consequently to the practice of Memory. It is therefore needful for this purpose that the four Qualities of the Body be in an *equilibrium*, that is, in an equal balance; because this Equality serves very much for a more ready formation of the Ideas, and inables the Organ the better to receive and retain them. But of the four Qualities it is observ'd, that Cold and Moisture are the most destructive to Memory; an excessive Cold being the greatest enemy of Nature, and of its Preservation. For Humidity,

midity, it cannot be expected, when the Brain is drown'd in Liquor, or overflows with Humors, that in such an Inundation Memory can act and perform its duty with that exactness, and in that perfection that it can at other times, and in a better Temper. Now 'tis not difficult to understand what Quality is predominant by these following Experiments: First, by our Sleep; for if we are more inclinable to it than ordinary, it is a sign of a wet and moist Brain, that makes us heavy and drowsy; but if we cannot take our usual Rest, it is an evident token of a dry Temper. Besides, this Humidity falls down into the Palat by an extraordinary Spittle, breaks out of the corner of the Eys, and evacuates it self thro the Nose and other Conveyances from the Brain, in a greater abundance than is usual. But if the Brain be too dry, you will not be able to close your Eys as formerly, you will find a Lightness in the Head; there will be seldom any natural Evacuations, and the Eys will appear sunk into the Head, and the Excrements of the Ears will increase. This is the case of such as grow in years, which causes old men to be less susceptible of new Impressions in their memory, but to be more retentive of those that are there already: So that all the Passages of their youthful

youthful days they can quickly call to mind.

But if an inward Cold predominats, it will appear by these Signs: The Face will seem very white, the Eys languishing, the Veins will scarce be seen; a Cold may be felt about the parts next the Head, and a Dulness and Stupidity seizes in such a case upon the Spirits and Brain; so that by this means Men are render'd less fit for Action. Now it is observ'd by Physicians, that the Brain is naturally hotter in Summer than in Winter, unless it be when some Distemper increases the internal Heat, and augments it the more by reason of the ambient Cold.

If too much Heat be in the Brain, it may be perceiv'd by these infallible Signs. All the Parts about the Head will be hotter and more red than ordinary, the Eyes will be rolling and firy, the Temples burning, and the Person cannot be inclinable to sleep, because all the Vapors that cause Drowsiness are consum'd by that internal Heat, and dried up as soon as they enter the Closets of the Brain.

From what has bin said it is most certain, that a moderat Temper, where all the four Qualities correspond and agree in an equality, is the most fit for the practice of a good Memory; and when any of these
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excede the natural proportion, both the Health and Memory also are impair'd in that Body, and render'd more unfit for exercise. In such cases therefore the Physician's Art may be very useful to restore Health, to rectify the Brain, to remedy the Temper, and remove the superfluous and pernicious Quality; and consequently it may preserve, increase, enlarge and help Memory. For as it is most certain that divers Diseases destroy this Ability, or disable it; so it is unquestionable that several Remedies may assist, comfort and corroborat this excellent Faculty, which requires a good disposition of Body, a careful government of our selves, and an abstinence from the Extravagances and Debaucheries of the Age.

Now in some cases 'tis impossible to remedy a decay'd Memory, as when Nature fails thro some violent Disease; when an extraordinary Heat and internal Driness has corrupted the vital Parts, or the Closet of Memory, and fill'd it with infected Spirits; or when old Age brings a diminution to our Strength, Vigor, Abilities; and all our Natural Parts decay with our Body. 'Tis then in vain to attempt by Physic to help or remedy that which is naturally lost and perish'd. However in such cases we may preserve what remains of Memory by

a regular manner of living, and by such Food as may expel the inward Driness and Cold, and comfort the Brain with a Recruit of wholesom Spirits, proceeding from the easiness and quickness of Digestion.

C H A P. IV.

Some General and Physical Observations and Prescriptions for the remedying, strengthening, and restoring a Memory injur'd by the ill Temper of the Body, or the Predominancy of one of the four Qualities in the Brain.

THE Excellency of Memory, as we have taken notice, depending wholly upon the Health and good Disposition of the Body, 'tis not to be doubted but that which restores Health to the one, is by consequence useful and assisting to the Welfare and Operations of the other. Chiefly if the Head or Brain be any ways damnified, incumbred or prejudiced, such Medicins as are proper to remove the ill Qualities, or to restore Soundness, are also proper to help Memory. Divers therefore are prescribed by the most eminent Physicians, answerable

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ble to the several Distempers of the Brain, and the Causes from whence they procede.

First; If by reason of extraordinary Looseness and immoderat Evacuations, or of any internal Driness, the Memory be prejudic'd, we must seek a Remedy from a convenient Diet, which may strengthen the Body, and comfort the Spirits and Senses. In such a case juicy Meats are to be used, and such as are of easy digestion in the Stomach; good and wholsom Drinks are to be taken, as Claret Wine, Metheglin well made, &c. We are likewise to exercise our Bodies moderately, and without being tired; we ought to rub the Head and Temples softly with woollen Clothes, and indeavor to restore the Body to its ordinary Temper by Sleep, Bathing, and other natural Means. But if the Brain and Memory be injur'd by reason of an internal Cold, Heat must be applied to expel it (as Humidity is used to remedy the Driness of the Temper) but always with a convenient Moderation? for we must take heed that we heat not the Brain too much, nor totally dry up the internal Humidity, for fear of falling into a more dangerous Distemper, which may deprive us both of Life and Memory together. When the Brain is out of order by reason of Cold and Moisture, that Air is to be chosen for the Patient to live in which may be hot and

and drying: and in wet and cold misty weather, the Chamber or Dwelling where he is ought to be perfum'd with hot and odoriferous herbs, as Sage, Marjoram, Lavender, Rosemary, Thyme, wild Thyme; and let a Smoke be made of some of these well-scented herbs in the chamber, together with Juniper (for such Perfumes will dry the Air, and help the Brain) chiefly of that *Indian Amber* that is nam'd the *Gum of the Soul*. The Diet ought to be according to the Distemper, of such meats as are of an easy Concoction; and tho divers Physicians forbid cold Sallers, I suppose they may be of great use, chiefly in the Spring and Summer, to some hot stomachs, as Lettuce, Purslain, Spinage, Corn-sallet, Cichory, Endive, and *Nasturtium*; the latter being good to stir up the Spirits, and a natural remedy against Sloth; from whence coms the old Direction to a Sluggard, *Vade & ede Nasturtium*. *Pliny* tells us of Lettuce, That it inclines to Sleep, moderats Heat, purges the Stomach, increases Blood, helps Digestion, and creates an Appetite. To some Constitutions this Sallet, with a mixture of other proper Herbs, may be proper to assist and comfort the Spirits, and dispose the Brain for the acts of Memory. Likewise it is very proper in many distempers of the Brain, to open a Vein, and free the superior

Parts from the overflowings of Blood, and to give a gentle Purgation, either by Portions, Pills, or other usual Means, according to the Advice of experienc'd Physicians, and the Nature of the Distemper. Now such Diseases incident to the Brain are either in the Cavities, or the Substance of the Brain: in the first are chiefly these, *Vertigo, Catarrh, Epilepsy, Apoplexy, Palsy, Convulsion, Trembling*: in the Substance are these, *Phrenzy, Melancholy, Madness*, loss or hurt of Memory, sleepy Diseases, &c. All which, as they bring a present Prejudice to the Faculty of Memory, so they are to be removed and cured before it can act with Vigor.

But if the Disease procedes from a too great Increase of the Humors, skilful Physicians are to be consulted, and proper Remedies applied for the correcting and removing those Humors, as Bleeding, Purgations, Clusters, Vomits, Issues, &c.

Now 'tis most certain that divers Ointments, Snuffs, Perfumes, Plaisters, and Medicins are applicable to the Head and Temples, for curing several Distempers of the Brain. But this being a Subject that more properly concerns the Physician, I shall only advise the Patient to be very cautious in making use of Remedies for removing Diseases of the Head, which is a tender

Part ; for when once the Part or Organ is wounded, 'tis a very difficult Task to cure it, and without a Miracle it can never be made whole.

C H A P. V.

What is very much prejudicial to the Faculty, Habit, and Practice of Memory.

THE Memory residing in so tender a Part as the Brain, Nature has had a particular care to preserve it from all Casualties by a thick Skull : It shews thereby what an Esteem, Value, and Tenderneſs we are to have for that part of the Body, and how much it concerns us to take heed it be not injur'd either by our own Miscarriages, or by others Indeavors. Certainly we are worthy of blame if we ruin that moſt excellent and neceſſary Part of our ſelves, and run wilfully into ſuch Actions as are hurtful to our Brain and Memory. Now it is obſerv'd, and we may underſtand it from our own Experience, that theſe following Particulars are prejudicial to Memory.

I. All Crudities, Repletion, and Indigeſtions of the Stomach ; for they ingender many dangerous Diſeaſes, diſorder the

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Brain, and send up infectious Vapours, which cause Pains in the Head, Giddiness, and several other Distempers: consequently they are pernicious to Reason and Memory, as *St. Ambrose* tells us, *Cibus immodicus & Anima & Corpori nocent*: An excessive Eating hurts both the Soul and Body.

2. Drunkenness is offensive to the Brain, and all its Functions, because it fills it full of Humors, and naturally causes Forgetfulness: And, as a Father expresses himself, *Ebrietas Tempestas est tam in Animo quam in Corpore, & seipsam ignorat*; It is a Storm both in the Body and Soul, and causes us to forget and be unmindful of our selves. Therefore the immoderat use of strong Wines is dangerous; and a frequent ingorging and constant Debauchery turns Men into Sots and Beasts, and weakens all the Operations of the Brain. I cannot but mention here what *Suetonius* writes of *Claudius Cesar*, that by Drunkenness he had forgot what he had commanded but an hour before: for having ordered his impudent and lecherous Wife and Empress *Messalina*, to be put to death because of her unsufferable and public Adulteries, when he sat down to eat meat a while after, ask'd his Officers and Servants what their Lady was doing, that she came not as usually to table with him. And the same *Roman Author*, with others, tells us of *Vitel-*
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lius, that when he came to the Empire, he gave himself over to such Debauchery and Drunkenness, that he lost and drown'd all his Memory and Reason.

3. A violent and outward Cold in the Night-season offends the Brain, if the Head be not well cover'd. Therefore for the better preservation of the Seat of Memory, it is convenient to keep our heads warm, according to this French Direction, *Gardez chauds les pieds & la teste, au demeurant vivez en bête*; keep warm the Feet and the Head, but for the rest live as the Beasts.

4. To take cold and wet in the Feet in Winter-time weakens the Ey sight, and injures the Memory, because of the great correspondence there is between these two Extremities, the Head and the Feet.

5. An extraordinary and hot Air, or a burning Sun, disturbs the Mind, and prejudices Memory, if we suffer it long to work upon us.

6. All windy Foods and Drinks are not good for the assistance of Memory, but rather contrary, unless Nature carries them speedily off in the ordinary course.

7. We must avoid eating in the Evening such things as may increase too much the ascending Vapors, and cause a too great Humidity in the Brain, or may be of an ill Digestion, or may too much fume up into

the head: for tho such things may incline to sleep, they have a bad effect on the Seat of Memory; and remember these reasonable Verses,

*Ex magna Cæna stomacho fit maxima Pœna;
Ut sis nocte levis, sit tibi Cæna brevis.*

8. Forbear drinking too much immediately after eating, chiefly after Supper; for that will but spoil and hinder Digestion, and prove offensive to the Brain and Memory.

9. An extraordinary idleness and laziness of Body begets and increases ill Humors, which have a bad influence on the Faculty of Memory. Therefore a moderate Exercise becomes us as Men, and is very useful for our Health, and the safety of our Being; as an antient Philosopher taught his Disciples, by telling them, that *Exercitium confert ad Corpus & Animum*; that Exercise is profitable both to the Body and Soul.

10. Forbear sleeping immediately after a plentiful Supper or Dinner, before the Food has past down from the Orifice into the bottom of the Stomach; for there is nothing more pernicious, because it prevents the working of Nature, and causes often the good Food to become bad, and to disturb both the Body and Mind.

11. A too frequent and violent use of *Vener*, when the Stomach is altogether empty, or too full, or contrary to the Rules of conjugal Chastity and Religion, is very dangerous, not only to the Body, but also to the Soul, and all its Faculties: For such an irregular Act draws a Curse after it, and obliges our just and wise God to withdraw his Blessing from such Contemners of his Laws, enacted for our Safety and Preservation.

12. Fear, Sadness, Anger, violent Passions, and melancholy Thoughts are no Friends to Memory; for they disturb the Mind, disquiet the Soul, and disorder all the Faculties.

13. A too violent Vomiting is destructive to Memory, because it forces Nature, and discomposes the Brain.

14. A disquieted Mind can never make use of Memory; for tho the Faculty may be good, and assisted by Exercise, and strengthened by Habit; yet while the Soul is alarm'd, and dissatisfied, it can never in the midst of its Troubles use its Memory with freedom, and so well as in a more peaceable temper and disposition.

15. All such Motions of the Body as cause giddiness or swimming in the Head, are destructive to Memory. Therefore we should have a special care to avoid Falls from high Places, turning round, or Blows upon

upon the hinder part of the Head. For, if we may believe *Thucydides*, some by that means, in the Grecian Wars, lost totally the use of their Memories: for by that Violence the Seat of Memory receiv'd so great a prejudice, that the Faculty could make no use of it; and the Contusion was so great, that the Brain was disturb'd, and could receive no more Impressions, nor preserve them that were there before.

These Experiments are not to be neglected by those who design to attain to a Perfection of Memory; for they are of dangerous Consequence, as our Experience can witness, to the Faculty of Memory, and to the other Functions of the Brain.

C H A P. VI.

Of such natural Things as may be assisting to, and may comfort Memory, from the Procurement of Nature, and the Contrivance of Art.

GOD and Nature have bestowed upon us Faculties and Abilities, and with them Means to enlarge and assist them in the performance of their several Offices.

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As there are some things to be avoided, which may be pernicious to them, so there are others to be used and imployed for this good purpose, for a more ready execution and discharge of their Duties and Functions. Memory, this excellent Ability of the Soul, may meet with many helps in the course of Nature to strengthen it, and render it more perfect. I shall recommend these following.

1. A moderat and convenient exercise of Body before we sit to Meat, to prepare the Stomach for a more hearty Reception, and a better Digestion, is useful not only to the Faculty of Memory, but to all other Animal Functions; for from thence proceed those good Spirits which help all the Offices of the Brain, and make it more able to act with vigor: such an Exercise, I mean, as may be answerable to the Abilities, Calling, and Imployment of the Person; such an Exercise as may free us from all natural Superfluities, which may incommode, incumber, or burden Nature.

2. It becomes us to feed upon such temperat Meats as may agree with our Stomachs as well as our Appetites, and to eat and drink with that moderation as may tend to strengthen, and not destroy Nature: for as there is nothing more pernicious to the Faculty of Memory than Excess, Drunkenness, and

and Gluttony, so there is nothing that can better preserve it than a sober use of those good things that Nature affords to supply the daily Deficiencies, and corroborat our Strength.

3. There are some things that may hinder the ill Fumes of the Stomach from ascending higher, which are useful to strengthen Memory after a plentiful Repast, as Stiptic, Fruits well prepared by Art or Nature, Coriander-seed well preserved with Sugar, Coffee, and other things.

4. A moderat Joy and Contentment of Mind is very profitable for the preserving and fortifying this Ability of Memory: For if the Soul be uneasy, all the chief Faculties, especially Memory, are disturb'd, and render'd more unfit for Action.

5. To wash our Feet often in hot Water, wherein we have boil'd some Chamomile, Lawrel, Balm-mint, and some other odoriferous Herbs, is very comfortable to the Brain, the Eyes, and the Memory: For besides the good effect the hot Liquor has upon the Head, the Scent of such Herbs serves very much to refresh the Spirits, and comfort the Brain. Therefore in Summer the smell of Roses and other fragrant Flowers, is not useless, but advantageous to this purpose.

6. A convenient Purgation of all Superfluties

fluidities of Nature is likewise helpful to the Faculty of Memory: for when there is a stoppage of that which ought to be cast out, there is a Burden that is not only troublesome to the Person, but also of dangerous consequence to the Health and Life, and to all the Superior Faculties and Functions that are thereby hinder'd in their Actions and Operations.

Now Physicians inform us, that this tender part of Man, namely the Brain, is injur'd and prejudiced by three Means. First, By a violent breaking in of the Excrements of the Body, or of any part of it: Secondly, By nourishing and harbouring some ill Quality. Thirdly, By retaining the usual and natural Purgations, when they have not their ordinary Course by the common Passages appointed by our wise Maker. For as there are continual Vapors ascending to the Brain from the inferior parts, design'd for the nourishing and assisting the Brain in the several Functions of Life; so there must be some Evacuations for that which is superfluous and useless in Nature, to be voided. Now these Vapors, if they have any ill Quality, or are any ways offensive to the Brain, do quickly hinder the Operations of Life and Reason. For there is no part of the Body more tender than this, no Part is sooner and more susceptible of pernicious

ous Fumes and Vapors than the Brain. Our good God therefore has provided, among the natural Things, a great many Antidotes and comfortable Herbs, &c. which are proper to help and restore the Brain to its usual Temper and Perfection, and consequently to assist and preserve Memory. Now among the natural Things, and those that may be prepar'd by Art for the use of Memory, are either Pouders for the Head, or Pouders to snuff up in the Nose; Plaisters to apply to the Temples or other parts of the Head; Bathings, Drinks, Fruits, Confections, Smells, Purgations, Ointments, &c.

1. Of Pouders to dry up the humors of the Head, and cleanse the Hair: they are very useful for the strengthening of the Memory, when the Person is of a moist Temper, and finds a too great Humidity to burden the internal part, and disturb his Fancy; or if he be often afflicted with a *Cephalalgia*, proceeding from Cold or Vapors. But such Pouders are to be made of odoriferous herbs, and well scented, which may be pleasing to the Smell. *Riverius* prescribes for this purpose this excellent Poudre: *Take of Florentin Lillies, half a Pound; Storax and Benzoin, of each two Ounces: Make a very fine Poudre, to be sprinkled upon the Hair in going to Bed, and comb'd out in the Morning: To increase*
its

its efficacy, you may add Clove-gilliflowers, Nutmeg and Cinnamom.

2. Sneezing Pouders well prepared are of great use, but may prove pernicious if any thing be offensive to the Brain in the Composition. Now the same Author recommends the dried Leaves of Marjoram, Sage, Rosemary, the Roots of the Herb *Pyrethrum*, of Lingwort perfumed with Musk, to be a choice sneezing Pouder, to comfort the Brain and Memory. And the Herb *Galangal* well dried, and reduced to Pouder, is very useful to strengthen Memory. Another good sneezing Pouder may be made of Pepper; with the Herb *Condisi*, white Lingwort, and Lillies, with some perfumed Gums. But we must have a care not to offend Nature by a too frequent use of these or other Snuffs, which may prejudice the Brain.

3. And as all noisom Smells are hurtful to the Brain, and when they are continually taken are infectious; so there is a great Benefit to be expected from good and wholesom Scents, as of Flowers, Perfumes, &c. This is excellent to comfort the Brain; Take *Lign-aloes*, Frankincense, Gum-mastix, red Roses, Leaves of Betony, Cinamom, Mace, Spice, Cloves, with *Storax*; and with all this make a Pouder: cast it on a Chafing-dish of Coals in a morning,

ing, and it will wonderfully comfort the Brain, and help Memory.

4. Divers Plaisters, when we find a decay in Memory, may be useful for helping the Brain: As a Plaister made of Mustard-seed, and clapt to the hinder part of the Head, or the Oil of Mustard-seed when applied to that Part. Or if you please to be at greater expence, take Florentine Lillies, the Herbs *Hermadaetyle* and *Pyrethrum*, leaves of the wild Vine, Pigeon-dung, Mustard-seed, of each an Ounce; mix them with *Moschata* Nuts, Spice, Cloves, Cinamom, and Pepper, and make a Plaister; which you may likewise apply to the hinder part of the Head, and you will find it increase and help Memory. And a certain famous Author assures us, that the Gall of a Partridg anointed about the Temples dos wonderfully strengthen the Seat of Memory; as also the Brains of Birds and Fowls roasted, and chiefly of Hens, are not useless for the same purpose.

5. If you please to try this Experiment, you will find it of great use, as some learned Physicians tell us; Take the Seed or Leaves of *Orminum*, and reduce them to Pouder, and every morning take a small quantity in a Glass of Wine. And they say that the Shavings or Pouder of Ivory produce the same effect, namely, the corroborating

roborating of the Brain and Memory ; as likewise a Grain of white Frankincense taken in a Draught of Liquor when we go to Bed, dries up the offensive Humors of the Brain. And it has bin observ'd that the Application of Gold to that *Sutura* which divides the Seat of Memory from the other Closets of the Brain, strengthens the weakness of the Head, drives away all Pain, and has a wonderful Effect on the Faculty of Memory.

6. There are some Ointments to be made for the same intent, as this ; Take of the Fat of Hens or Capons, together with the Fat of a Cow, and Gum of Ivy, of each a Pound ; which being distill'd in a Lymbic with a soft Fire into an Oil, is very good to anoint the Temples and the Wrists three times a week. Here is another Ointment which *Aristotle* is said to have often used for the strengthening his Memory : Take of the Fat of Moles, Bears if it be to be had, of Weesel and Bever, or instead of that of Otter, of each an equal quantity ; Juice of Betony, and Rosemary ; of all which make an Ointment to anoint the Temples chiefly in cold weather.

A famous Author tells us, *That for a firm and constant Memory, and quick Apprehension, many great Men have us'd this Medicine. Take Roots of wild Bugloss, Roots of Valerian, or Setwall,*

of each four Ounces; Roots of Rue two Ounces; reduce them to very fine Pouders: then take Juice of Ey-bright, Clary, and Verven, of each four Ounces; strain the Juices well through a Cloth; then mix the Juices together, and the Pouders apart; Afterwards take of Essence of Anacardi, or Cassia-nuts one Ounce, and make a Powder as before. Also take Bird's Tongue, i. e. Ash-keys, and make a very fine Powder: Then mix all the foresaid things together, viz. the Pouders and the Juices, and take an Earthen Pot glaz'd, and set it on the fire, putting into it some Bear's Fat, and suffering it to melt by degrees; then throw in the said Pouders, mixing them with the Juices, always adding some of the foresaid Fat, till a very thin Ointment be made; with which anoint the Temples, Forehead, and top of the Head towards the Nape. And this do three or four times a year, and continue anointing more or less as there is occasion.

Again, another Experiment may be tried for the same purpose. Take eight Glasses of common Water, leaves of Ivy and Sticas, of each a Pound and a half; put them together in the Water to boil till the Water be almost consum'd; afterwards let it be well strain'd (and squeez'd, and put into it a small quantity of Turpentine wash'd with Rose-water: Then wash the Head with a good Lye, and after drying it, anoint with the foresaid Liquor the Temples and hinder part of the Head.

The same Author recommends to us the making of this perfum'd Apple for comforting the Brain and Memory. Take *Laudanum*, *Lignum Aloes*, *Storax*, of each a Dram; *Cloves*, *Nutmegs*, sweet *Basil-seed*, of each half a Dram; with *Rosewater*, in which a small quantity of *Mosch* and *Ambergrise* has bin dissolv'd, make an Apple.

Another Prescription we find recommended to us by a worthy Author in this manner. To strengthen the Memory, or restore it when lost; or against Giddiness: Take *Rosemary*, *Borage*, *Chamomile*, *Violets*, *Roses*, of each an Ounce; the Leaves of *Laurel*, *Margoram*, *Sage*, of each two Ounces; chop them all together, and put them in the best Wine, and after a day's time distil through a glass Alembic, and keep the distill'd Liquor; in which put of sweet-scented *Turpentine* a Pound, white *Frankincense* eight Ounces; *Mastic*, *Myrrh*, *Bdellium*, *Anacardi*, or *Cassia nats*, of each four Ounces: beat them all together, and so let them stand for five days, mix'd with the distillation in a cover'd Vessel. Afterwards distil with a quick Fire till you get an Oil out of them, which keep close shut up in a glass Bottle well stop'd with Wax and Parchment. For use; take as much of it as would ly in a large nut shell down the Mouth, and anoint also the Memorial parts, viz. the binder part of the Head, and all the parts before-mention'd. You will find it to be very good.

Some Physicians order Pills for the use of Memory to be made in this manner. Take Cubebs, Calamint, Nutmegs, Cloves, of each a Dram and a half; the best Frankincense, choice Myrrh, oriental Ambergrise, of each a Scruple and a half; Mosch. five Grains: with Marjoram-water make Pills. Take one in going to Bed, and two at Sun-rising, five hours before Meat; in the Winter every month, in the Spring and Fall more seldom.

Another most approv'd Experiment to enlarge the Understanding and Memory, which they say was Aristotle's. Take the Fat of a Bear, which is in his right Shoulder, and put it up in the Bear's own Bladder, together with his Urin, and let them stand eight days: then draw it out, and take an equal quantity of Clary, Ey-bright, Verven, Bugloss, Valerian, and Aloes, and mix them together with the foresaid Fat upon the Fire, stirring them with a wooden Slice, till it become a thick Ointment; of which, when you please, take the quantity of a small Bean, and anoint the Forehead and Temples, rubbing them some time; and you will remember what you hear.

A Lye for washing a moist and cold Head, corroborats and helps the Memory. But it must be of the Ashes of Vine-twigs or Oak; and then let these things be boild in it. Take Galangal, French Lavender, Laurel-leaves, Rosemary, Ivy, Sage, of each a Handful; with that wash the Head: and after washing it, bathe the forepart

of the Head with a little Aqua Vitæ, and sprinkle it with the following Powder. Take Pennyroyal, Calamint, Cloves, Gum-Juniper, Mace, Stichas, or French Lavender, dried Mint, Marjoram, of each five Drams; mix and make a fine Powder, and after sprinkling it put over it a covering of Hemp. On other days also, going to bed, put some of that Powder upon the forepart of the Head, even without washing it; for it dries, &c.

And Ludovicus Mercatus advises to make this Water, which he says has a wonderful Virtue for the restoring and strengthening decayed Memories. Take of the Waters of Bugloss, Betony, Flowers of Lilly, each a Pound; of the best Aqua Vitæ half a Pound; Flowers of Anthos, Roses, Marjoram, and Bugloss Flowers, of each a Pugil; of the Species of Confectio Anacardina four Drams. First infuse the Flowers into the Waters, and then the Species, and let them stand in a sunny place to digest for a month; afterwards extract the Water in a Balneum, of which at night you may give or take two Drams, or half an Ounce.

C H A P. VII.

Rules to be observed for the Acts or Practice of Memory.

Memory, as we have already observ'd, being an excellent Faculty or Ability of the Soul, it is by consequence to produce Acts answerable to it self; which Acts by degrees form a Habit, that strengthens the Ability, and makes it more ready and able again to appear in Action: for the more we use this Ability, the more able and perfect we shall render it; whereas by Neglect and Sloth Men lose this natural Gift, and it becomes useless.

Now for the better exercising of Memory, and accomplishing this rare Faculty, I shall recommend these following Rules, which I desire such to observe and practise as intend to use their Memories either in a Pulpit, or at the Bar, or on any other occasion, where they would deliver their Meditations without the assistance of Book or Paper.

I. Let the Subject treated on, or the Matter and Discourse to be deliver'd, be rational, and worthy of our own Esteem: For the

the things we admire, or that afford us pleasure in the reading or hearing of 'em, make a deeper impressiion in our minds than those things we value not. As this Faculty is noble, it retains willingly nothing but what is answerable to it self: likewise any thing strange and unusual, or that is sutable to our own Genius and Temper, commonly finds in Memory a kind reception, and a longer retention. It is therefore the Advice which a wise Man recommends to young Students, *Sapientem audire Præceptorem, quem etiam cogaris admirari, plurimum enim Memoria conducit;* to hear a wise Tutor whom we ought to admire, because Admiration is a great advantage to remember his Instructions. And among the Keys of Wisdom he reckons this to be one, *Honor Magistri*, a particular Respect not only for the Person of our Teacher, but a value for his Words and Directions, that we may treasure 'em up for our own use and benefit. For tho Memory by the Naturalists is compared to a Sieve, or to a Net, 'tis in respect of those weak and unfaithful Memories that never retain the things committed to their custody, but lose them as soon as they have them.

2. Let there be a Method and convenient Order observed, and a Coherence in the Discourse we design to deliver; for it will be far more easy to mind and remember

things that have a mutual dependence upon one another, than such as are without Order or Method.

3. Let every thing we desire to remember be fairly written and distinctly, and divided into Periods with large Characters in the beginning; for by this means we shall the more readily imprint the Matter and Words in our minds, the more remarkable the Writing appears to the Eye. This Sense conveys the Ideas to the Fancy better than any other; and what we have seen is not so soon forgotten, as what we have only heard. Therefore *Cicero* tells us, in 3. *de Oratore*; *Facilius ad ea quæ visa sunt, quam ad ea quæ audita sunt, Oculi Mentis feruntur*: That the Eyes of the Understanding (and consequently of the Memory) are carried more easily to the things that are seen, than to those that are heard.

4. For the assistance of weak Memories, let the first Letters or Words of every Period, in every Page, be written in distinct Colors; yellow, green, red, black, &c. and observe the same order. This will make a greater impression, and very much assist the Memory.

5. Let these Characters, or Beginnings of every Period, be well imprinted in our Minds, for they will quickly bring thither the whole Discourse also. No sooner shall
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we think upon the first entrance, but we shall have a prospect of all the rest in our Imagination. And it will be no small Assistance to our Memories, if these first Letters of every Sentence or Period can luckily express some known or remarkable Word or Thing in every Page. As *Buxtorf* in his Hebrew Grammar, that Students may remember the Letters which change their natural Pronunciation by the Inscription of a *Dagesh*, has gathered them together in the word *Begadkephat*. And that they might not forget the Letters nam'd *Quiescentes*, that are written, and sometimes not pronounc'd, he has put them together in the word *Ebevi*. Thus if we may happily join all the first Words of every Sentence so as to express some remarkable Thing, or Subject, or Word, we shall remember more easily the Beginnings of every Period or Sentence; and by taking every Letter in order one after another, come to the remembrance of all that is written in the Page without any difficulty; for the beginning will lead us to all the rest. This Direction may be of great use to weak Memories.

6. If we would have the command of our Memory, and secure it from the frailty of Oblivion, and the danger of mistaking, it becomes us to have in our minds well imprinted the Abbreviation of our whole Discourse,

Discourse, and the chief Heads, so that in an instant we may be able to recollect and cast our internal Ey upon any part of the Matter that ought to lie as it were before our Fancies ; for in this case if any Interruption happens, or any Casualty comes accidentally to disturb the Series of our Discourse, we shall be the more ready and better able to call to mind our Business, and proceed on with more Courage, Resolution, and less fear of a Miscarriage ; because we may be certain, that in an unexpected Weakness of Memory we shall have a Remedy at hand to relieve us in case of need ; and we shall speak with more confidence and boldness, the more we know our selves secure from Frailty. Therefore it is *Seneca's* Advice, that in a large Discourse we should have it abbreviated and contracted to certain principal Heads, for the prevention not only of Confusion, but also of that Disorder that multiplicity of Words and Matter is apt to cause in weak Memories.

7. Let there be a local Apprehension of our written Discourse well fixed in the Mind ; and in the delivery of it let the Fancy proceed on, and the Imagination leisurely dictate the Matter, and the Words as they are couched in our Paper. This local Apprehension is the greatest help to Memory, and chiefly if the Characters, as we have

have formerly noted, be fairly written, and remarkable to the Ey and Fancy ; for as they give a deeper Impression into the mind, they become more legible, and are not so soon defac'd.

8. When we first intend to recover a Discourse, and get it into our Memories, we ought to read it quietly with the greatest Attention and Intention of the Mind, setting aside all other Business which might incumber or interrupt us. We must for this purpose summon all our Thoughts to attend upon the Business in hand, and seriously read over every Period and Sentence ; for without this Intention it is impossible to be able to imprint any thing well into our Imagination. And before we proceed on too far, it becomes us to get well a part by heart, that our Memories may go on more securely and by degrees.

9. Therefore it becomes us for this purpose to repeat often over what we have already learned, and softly to utter every Sentence one after another. This Repetition will be of great use both for the getting it more perfect, and for the more easy delivery ; for when the Tongue is accustomed to the Expressions, it will more readily deliver them again. And we find by experience, that Verses and other Discourses that we have often spoken, when once we
begin

begin to deliver them, they drop from us insensibly, and, as a Man that is used to run in a Career, or down a Hill, we cannot stop till we come to the end.

10. After we have thus gotten into our Memory a Discourse in the beginning, we must suppose that it is not confirmed in us, and must therefore run it over by a frequent Meditation, chiefly in the evening when we are going to bed, or in those Intervals that we cannot sleep ; for then the silence of the Night, and the quiet of the Time, are very proper to strengthen in Memory what we have committed to its custody. These Meditations are esteemed by *Aristotle* the greatest Assistance of Memory ; and *Ptolemy* calls Meditation the Key of Truth. Truly without this Practice a Discourse can never be well digested, but will come from us raw, perhaps as a Lesson from a School-boy ; neither can we be able without it to make it our own, nor to give that Life and Virtue to it that is needful to affect the Minds of our Auditors. Therefore a Discourse ought to have a convenient time to settle in our Memories, that they may often run them over by Meditation.

11. Let young men take care to exercise their Memory betimes, for by a frequent Practice we gain and strengthen the Habit of Memory. Let not the Difficulties that
may

may appear in the beginning, fright or cause us to discontinue, but resolutely proceed on in accustoming our Faculty to retain both Matter and Words. I know some charge their Memory with nothing but the Matter, but it is as easy to mind the Words when once we have us'd our selves to the Practice. *Cicero* writes of *Lucullus* and *Hortensius*, two famous Orators of the *Roman* Empire, who had vast Memories, that the former remembered Matter, the other Words, and prefers therefore *Lucullus* before *Hortensius*: but I conceive that Orator to be the most accomplish'd, who having penn'd his Discourse in such a manner, that it speaks weighty Matter as well as Words, is able to deliver it *verbatim* with deliberation and vigor. *Seneca* tells of himself, that he could repeat two thousand distinct Names one after another without any mistake, so large was his Memory, which proceeded from a long and continued Exercise; for by this means we shall attain to a great Perfection.

12. Beware of taking a pride, and glorying in our Memory. As we are to use it on necessary occasions for the Glory of God, the Edification of his Church, and Instruction of the People, I would not have any vainly to boast or presume too much upon the Strength of Memory, but to look upon it as a Gift proceeding from God's Bounty

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Bounty to us. *Staupitius*, a Tutor of *Martin Luther*, in a Sermon thought in a vain ostentation of Memory to repeat all the Genealogy of Christ mentioned by *St. Matthew*; but when he came to the Captivity of *Babylon*, his Memory fail'd him, which caused him to take the Assistance of his Book, with this Expression, *I see*, said he, *God resisteth the Proud*. How many have there bin, who vainly priding in this Excellency of the Soul, have bin totally deprived of their Memories, forgotten their own Names, their dearest Relations, &c. The Gifts of God are not to be imployed as Instruments of our Pride and Folly. Our Great Creator is sensible of the injury done to his Liberality, when we ascribe to our Industry, Sobriety, or the Goodness of our Temper, what is most and chiefly due to his Bounty. Several sad Examples therefore of the Resentment of his Justice have appeared before our Eys, of Persons who have altogether lost in a manner what was the greatest Subject of their Glory; that we might learn to avoid such Provocations, and behave our selves with Humility and Thankfulness to his unwearied Goodness, always giving him the Honor of our Perfections and Injoyments.

13. For the better preservation of the Faculty of Memory, it becomes us to know
well

well its Strength, Ability, Reach and Frailty, that we may take Measures accordingly : for the loading of our Memory too much may be as prejudicial to it, as the taking of too heavy a Burden upon our shoulders will be to our Body and Loins ; for it will wrong the Faculty it self, and disfigure it from further Service. Besides, the Ignorance of our own Weakness may expose us to the Shame and Laughter of the World, when we shall presume to undertake what we cannot well perform. And as it is with a Man's Stomach when it is filled, cram'd more than Nature will bear, no Digestion can possibly be there ; and instead of strengthening the Body, the Health is impair'd, and a shameful Disorder happens : So 'tis with the Memories of Men, they must not be too much loaded, nor burdened with more than they can well bear, according to the Saying of *Horace*,

*Sumite Materiam vestris qui scribitis aquam
Viribus, &c.*

14. If we are to study any Liberal Art or Science, it becomes us for the better encouragement of our Memories, and for a more firm retention of the Doctrins and Principles, to comprehend the Sense, Meaning, and Reasonableness of them, before
we

we commit them to their Custody. What we understand is our own, and cannot easily be forgotten. Reason is an excellent Confirmation of Memory when it is concerned in that Imployment ; for while our reasoning Faculty continues, we shall never forget what it has formerly approved of, as agreeing with its internal Principles.

15. And if we are to speak in public, it will be a great advantage to Memory that we perfectly understand the Matter and Business in question ; that we are fully acquainted with the Argument, Mystery, or Theme that we treat of ; that we have search'd and studied all that may be alledged for or against it, and have continually a prospect of all that may be said upon the Subject : For in case Memory should be interrupted, disturbed, or fail, it will not be difficult then to recover our selves to proceed on ; and if we have any thing of Invention, we may supply the defect of Memory by our former Knowledge ; however, 'tis a great assistance to it to remember all the Particulars, and the continued Series of discourse, when we thus understand perfectly the Subject, and are no Novices in the Matter that we are publicly to deliver.

16. When we betake our selves to our Study, or offer to exercise our Memory by the delivery of a Discourse, we must observe

serve what has bin said before to be useful for the assisting of Memory, and endeavor to avoid what is prejudicial, as Gluttony, Drunkenness, Debauchery, &c.

Set aside all other Occupations and Employments, and chiefly those troublesome Passions of the Mind that will not suffer us to enjoy our selves, as Anger, Wrath, Envy, Revenge, Lust, Covetousness, Alarms, Fears, &c. for when the Mind is totally taken up with such uneasy Guests, 'tis not possible to imploy it about the Functions of Memory, according to the old Proverb,

Pluribus intentus minus est ad singula sensus.

17. A convenient time is to be chosen for the Exercise of Memory ; for all Seasons and Times are not proper, nor is the Mind ready disposed always for Activity : we must therefore chuse such a time as we know our selves to be best able to retain the things that we hear and read. Neither are all tempers alike, but commonly when we are fasting, or after a moderat Repast, or in the Night-season, or in the Morning, most Men are best prepar'd for the Exercise of their Memories, and to receive the Impressions and Ideas.

18. But one Rule more I must add, which I look upon to be the chief ; To seek from
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God by our devout and constant Prayers, both the continuance and increase of our Memories: For I must confess, that 'tis a particular Gift and Favor of our great Creator, who hath bestowed upon us such a natural Ability. As therefore it depends upon his Bounty, 'tis from thence that we must expect its Perfection and Welfare. And tho by Art we may remove what is prejudicial to it, and help in some respect the Faculty; tho we may prescribe Rules for the practice of Memory, yet all our Indea-vors will prove vain and ineffectual without a Blessing from above, which we must strive to obtain by our Humility and Devotion, being the ordinary Means appointed by the Divine Wisdom for the getting and increasing of all temporal and spiritual Blessings. Neither are we to doubt of gracious Returns to our Requests; for we have this Assurance from the sacred Oracle, *If you that are evil know how to give good things to your Children, how much more shall your heavenly Father give his holy Spirit to them that ask him?* God hath reserved to himself the bestowing of all spiritual Gifts, and this of Memory procedes from him: not only the Faculty, but likewise the Practice depends very much upon his immediate influence; for experience may inform us, that we have often an inward Assistance granted to our
Petitions.

Petitions, to comfort and help the Weakness of our Memories in divers occasions, chiefly where the Interest of Religion and his Honor is concerned, as in the public delivery of his Word and Will to his People. It becomes us therefore in all such Instances not to rely or presume too much upon our own Strength or Ability, but lean and trust upon the Allsufficiency of the Holy Spirit, who will never be wanting to them who earnestly and heartily implore his gracious Assistance in time of need.

C H A P. VIII.

Rules to be observed to help our Remembrance of things that we desire to preserve in Mind.

THE multiplicity of Ideas and Matters that we commit to our Memories, will sometimes cause the most capacious to forget things of the greatest Importance. For the better assisting therefore this Faculty to call to our remembrance such Objects, these Rules are to be observ'd.

1. Mind the Order in which those things were first enter'd into our Memories; for

the things that precede will oblige us to think upon those that followed, and the Consequences of things will refresh in our Fancies that which went before. It becomes us therefore to record them in order with a Connexion and a mutual Dependence; and this Order will direct our Memories, and help them to find out such things as were lost and defaced by forgetfulness. Therefore a wise Man tells us,

Quæ bene invicem ordinata sunt, benè reminiscibilia sunt; quæ vero malè, difficulter in Memoriam revocantur. The things that are in good order are easily to be remember'd, but those that are without Method or Order cannot, without much difficulty, be called to mind.

2. For the better remembering of things, we ought to compare them with those things with which we are familiar, or best acquainted, and that have a resemblance with them, either in Syllables, in Quantity, in Office, Imployment, &c. For this Similitude will certainly imprint the Thing or Person so in our Mind, that if we do casually forget, we shall the more easily recover the lost Idea, because the Idea that we have already in Memory, and that hath a resemblance and relation to that which is absent in some known Particular, will lead our Fancy to it again.

3. We

3. We may imprint in our Minds, and fix things in Memory, by thinking upon their Contraries or Opposits; and we may by the same means better remember things that are almost blotted out of our Imagination. For example, he that remembers an *Hector*, cannot forget *Achilles*; he that thinks upon a *Goliath*, will also mind a *David*: when we represent to our selves Sobriety or Temperance, we cannot but have a Notion of Debauchery and Intemperance. Now if that which is contrary is better known to us, it will quickly refresh the Remembrance of that which we had forgotten.

4. If we desire to mind things of Importance, we ought to imprint all the Circumstances in our Memories, of Time, Place, Persons, Causes, &c. because these Circumstances being always in our Fancy, will also keep there the things that we intend to preserve from oblivion. And such Circumstances will scarce be defac'd, if they are recorded in our Memories by the assistance of the Eyes from the things themselves, or from the sight of them written or otherwise appearing to this Sense: for as a Shadow can never be without a Body, nor a Form without a Substance, so neither can the Circumstances be in our Minds without that reality that we purpose not to forget.

5. We may think upon things, and remember them by their Properties and Qualifications. For example ; if we desire to remember a gross and fat Man, we may think upon King *Dionysius*, of whom an Author tells us, that he grew so fat, that he could scarce see, and that at last his Eys were closed up with Fat.

6. If we desire to remember any thing, let us mind that Circumstance belonging to it, which is most admirable, remarkable, or futable to our Genius, Temper, or Interest ; for this will fix it in our Memories in such a manner that it will not easily be forgotten.

7. If we have several things to record in our Memory, note exactly the Number of them, with the first Letter of every such thing which may casually make up some Name or Word ; which being fixed in our Mind, will quickly direct us to every particular thing that we design not to forget. For example ; I desire to remember Sugar, Almonds, Prunes, Oil, and Raisins, I will therefore take the first Letter of every Word, and I find they make *Sapor*, which being fix'd in the Mind will direct me the sooner to the things that I design to remember.

Some other Rules may be prescribed for this same purpose, which our Ingenuity may supply.

supply us with, as a careful Repetition, frequent Meditation, &c. But because I have already mentioned them before, I proceed to represent the Fancies of some ingenious Men, and a Method which they lay down, and which may sometimes be useful I confess for the assisting of an Artificial Memory, and which indeed may very well be named a fantastical Remembrance, because it altogether depends upon the Fancy of the Contriver.

C H A P. IX.

Of Artificial or fantastical Memory or Remembrance.

ARtificial Memory, saith the Philosopher, *Est Dispositio imaginaria in mente rerum sensibilium, super quas Memoria naturalis reflexa, per eas admonetur ut memoratorum facilius distinctiusq; recordari valeat*: It is an imaginary Disposition in our mind of sensible things, upon which when our Memory reflects, by them it is admonish'd and assisted to remember more easily and distinctly things that are to be minded. And, as Cicero speaks, *Constat ex locis veluti ex cera aut tabella, & imaginibus veluti figuris literarum*;

rum; that it consists in Places and Images, &c. Now some prescribe the Imagination of a fair and regular Building, divided into many Rooms and Galleries, with differing Colors and distinct Pillars, which the Party must fancy to stand before him as so many Repositories where he is to place the Things or Ideas which he designs to remember, ordering them according to their several Circumstances and Qualifications, for the better assistance of Memory. Others, instead of a House, Palace or Building, have chosen such Beasts as answer to all the Alphabetical Letters in the Latin Tongue, and instead of Rooms have assigned their several Members for our Fancy to fix our Ideas there; and place them for our better remembrance: These are the Names of the Beasts, *Asinus, Basiliscus, Canis, Draco, Elephas, Faunus, Gryfus, Hircus, Juvenus, Leo, Mulus, Noctua, Ovis, Panthera, Qualea, Rhinoceros, Simia, Taurus, Ursus, Xystus, Hyena, Zacheus*. Every one of these they divide into five Parts or Places, into Head, Fore-feet, Belly, Hinder-feet, and Tail; for this is the Order that Nature it self directs, neither can our Imagination be disorder'd in reckoning or telling them over. So that by this means the Fancy may have one hundred and fifteen Places to imprint the Images of memorable things. Likewise in the Person

Person speaking, we may fix the Ideas of things to be remembred on his Head, Forehead, Eys, Mouth, Chin, and so downwards on all his Members. But if this way of Remembrance be beneficial, 'tis best when the Places where we design to leave and commit our Ideas are more known and familiar to us : As for example, the Town where we live, or the City that we are best acquainted with; our Mind must as it were enter by the Gate, and proceed to the several Streets and Quarters of the City, marking the public Places, Churches, Friends Houses, &c. by this means we may have an infinite number of Places to commit our Ideas. And because all Directions are best understood by Examples, I shall recommend these, that this Method of remembering may better be comprehended. Suppose therefore a large and empty House, unto which we must not go often but seldom ; suppose at the entrance there is one Room about three foot from the Door, the second about 12 or 15 foot, being in a Corner, the third being distant about the same number of feet ; and so likewise the fourth, fifth, sixth, seventh, and as many as you please, fancying upon them the number that denotes and distinguishes the Rooms and Corners the one from the other, that there may be no Mistake nor Confusion in our remembrance ;

membrance ; or, if you please, distinguish the several Rooms by other Characters than Numbers. Now when we have well settled and divided the several Rooms and Corners in our Imagination, where we are to place the Ideas for our remembrance, we must contrive such a remarkable Fancy of that thing that we intend to put there as may not easily be forgotten, and such a Fancy as may be remarkable for Folly, Simplicity, Wisdom or Wonder, &c. For example ; if I will remember any thing acted by another, I must fancy him in one of these Rooms acting in a ridiculous manner that which I design not to forget. Now the Figures that we must there place, ought to provoke to Pity, Wonder, Laughter or Scorn, that it may make a deeper Impression in our Fancy. Again, we may represent things by their Likeness or Contraries ; for example, if we design to remember *Galen*, we will write the name of some famous Physician well known to us, or of some contemptible Mountebank. If we will remember *Ovidius Naso*, we shall represent a Man with a great Nose ; if *Plato*, we shall think upon a Person with large Shoulders ; if *Crispus*, we shall fancy another with curl'd Hair, and so of other things. But this Method of remembering things is cumbersome and fantastical, and perhaps may

not be futable to every Temper and Person; neither is it proper, or of any use for the Delivery of a Discourse by Memory, but rather for the assisting our Remembrance not to forget some certain Passages of our Life, and of others, and we may make some use of it for the remembering of Sentences and Names.

I shall conclude with just setting down some other Rules which are prescribed by such as recommend this kind of Artificial Remembrance, for the better imprinting the Ideas in our Mind, and the avoiding Confusion.

1. That the things we design to remember be three or four times read over or repeated, before we assign to them any kind of Images, or noted Species to preserve them; for by this means we shall be better acquainted with them, and they will be less strange to our Imagination.

2. We must know how to adapt such Figures as are most futable to the things to be preserved in our Memory, and such Figures as are known to us, that we may be the more quickly and easily minded of the things themselves.

3. Now to such Figures we must assign a convenient Action or Motion, for that makes a greater Impression than such as are still and quiet

quiet, and the Imagination is more readily moved by a moving Object than by one without Life and Motion.

4. Such Figures are to be contrived to mind us of the things as may excite the Passions of the Soul, and the Affections, as Sorrow, Joy, Anger, Pleasure, Indignation, Wrath, Wonder or Compassion, &c. thereby the Soul is more concern'd in keeping in mind the things and Ideas that we desire to preserve.

5. We are to make use of such Figures as are proper not only for the things, but also for the Places where we lay them up for our Remembrance, and such as have a natural relation to the Places; as a Miller grinding in his Mill, the Fish in the Water, Birds flying in the Air, wild Beasts in a Forest, &c. And therefore we may rather use natural Figures than artificial, or such as our Fancy may contrive.

6. Again, those Figures must not be too mean or contemptible, nor too high above our ordinary Reach, Capacity, and familiar Acquaintance.

7. Neither are we to make use of the same Figures or Images, to represent divers things at the same time: Therefore we must have ready in our fancy several Images to picture out, or form the Ideas of the things that are to be remembred.

8. Such

8. Such Images are to be often recall'd in our mind in the same order as they were placed, with their several Circumstances and Properties, and such as are most remarkable and notable: for if by chance the Idea be blotted out, those Circumstances will quickly renew them in our memorative Faculty; and a frequent Repetition will make a deeper Impression in our Minds of the things that we desire not to forget; chiefly if this Repetition be made when we are going to lay down our Heads upon our Pillows: for it is observable, that what we think upon when we are going to sleep, we shall have fresh in our Fancy when we awake the next Morning. And in those Intervals that we lie quiet at Midnight without sleeping, we may easily imprint in our Imagination things that will not quickly be forgotten. The Mind will then be more susceptible, more retentive and tenacious of any Idea that we recommend to it with Deliberation, and free from the Incumbrance of Business: for he that will make use of his Memory, must know himself what time and season is most proper to imploy it, when it is most at liberty, and freest to receive the Impressions or Ideas of things. 'Tis with Memory as with the other Faculties and Abilities belonging to Man, there is

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a time for Action, and a time when they are not fit, and a Temper that renders them unable to produce the natural Operations. Such Times therefore, Seasons and Tempers are to be chosen for the exercise of Memory when it is altogether disengaged from Troubles, Impediments, and all Incumbrances, and freest for Action. Our youthful Days are the most proper to begin to employ this Faculty, for we then may speedily learn, and easily improve this Ability to our great Comfort and Advantage in the following course of our Lives. And as it has already bin observ'd, Exercise will render us by degrees more perfect; So that we shall never have cause to repent of the Labors and Pains that we take in this case at the beginning of our days. It is therefore the Advice of a wise Author,

*Nunc adhibe puro pectore verba puer ;
Nunc te melioribus offer.*

*Quo semel est imbuta recens servabit odorem
Testa diu.*

And another tells us, *Non tantum celerius,
sed etiam perfectius imbuuntur, quæ à pueris
discuntur.* Veget. lib. 1.

I shall conclude this Treatise with two Verses of *Persius*.

Mille

*Mille hominum species & rerum discolor usus,
Velle suum cuiq; est, nec voto vivitur uno.*

And with the Proverb of *Hesiod*,

Ἔργα νέων, βουλὰι δὲ μέσων, ἔυχαι δὲ γε-
ρόντων.

And with the Saying of *Tully*,

*Virtute duce, comite fortuna, omnia summa
consequi possumus.*

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